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L1	146	707/8.ccls. and (lock with conflict\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 09:50
L2	85	L1 and (exclusive with lock)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 09:49
L5	551	(read adj lock) and (write adj lock)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 09:50
L6	8	L5 and (conflict\$3 with lock) and (namespace with (tree or hierarch\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 09:52
L7	2	(lock with conflict\$3) and (namespace adj (tree or hierarch\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 09:52
L8	8	(conflict\$3 with lock) and (namespace with (tree or hierarch\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 09:56
L9	2	((conflict\$3 with lock) and (namespace with (tree or hierarch\$5))).clm.	US-PGPUB	OR	ON	2007/01/05 09:53


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1 [A proposal for a namespace facility in APL+WIN](#)



David E. Siegel

 June 2001 **ACM SIGAPL APL Quote Quad**, Volume 31 Issue 4

Publisher: ACM Press

 Full text available: pdf(141.83 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

"Namespaces" have been implemented in some APL dialects, to reduce name scope and avoid name conflicts. Other implementations, including APL+WIN, do not yet support such a feature. This is an unofficial proposal for the design and implementation of such a feature. The design is, in the author's opinion, an improvement on those already implemented. It is presented in the hope of stimulating discussion, which might lead to further improvements in the proposal, and the decision, by language impleme ...

2 [Decentralized storage systems: Farsite: federated, available, and reliable storage for an incompletely trusted environment](#)


 Atul Adya, William J. Bolosky, Miguel Castro, Gerald Cermak, Ronnie Chaiken, John R. Douceur, Jon Howell, Jacob R. Lorch, Marvin Theimer, Roger P. Wattenhofer
 December 2002 **ACM SIGOPS Operating Systems Review**, Volume 36 Issue 51

Publisher: ACM Press

 Full text available: pdf(1.87 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

Farsite is a secure, scalable file system that logically functions as a centralized file server but is physically distributed among a set of untrusted computers. Farsite provides file availability and reliability through randomized replicated storage; it ensures the secrecy of file contents with cryptographic techniques; it maintains the integrity of file and directory data with a Byzantine-fault-tolerant protocol; it is designed to be scalable by using a distributed hint mechanism and delegatio ...

3 [The evolution of Coda](#)



M. Satyanarayanan

 May 2002 **ACM Transactions on Computer Systems (TOCS)**, Volume 20 Issue 2

Publisher: ACM Press

 Full text available: pdf(441.35 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Failure-resilient, scalable, and secure read-write access to shared information by mobile and static users over wireless and wired networks is a fundamental computing challenge. In this article, we describe how the Coda file system has evolved to meet this challenge

through the development of mechanisms for server replication, disconnected operation, adaptive use of weak connectivity, isolation-only transactions, translucent caching, and opportunistic exploitation of hardware surrogates. For eac ...

Keywords: Adaptation, Linux, UNIX, Windows, caching, conflict resolution, continuous data access, data staging, disaster recovery, disconnected operation, failure, high availability, hoarding, intermittent networks, isolation-only transactions, low-bandwidth networks, mobile computing, optimistic replica control, server replication, translucent cache management, weakly connected operation

4 Decentralized storage systems: Taming aggressive replication in the Pangaea wide-area file system



Yasushi Saito, Christos Karamanolis, Magnus Karlsson, Mallik Mahalingam
December 2002 **ACM SIGOPS Operating Systems Review**, Volume 36 Issue SI

Publisher: ACM Press

Full text available: pdf(1.93 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

Pangaea is a wide-area file system that supports data sharing among a community of widely distributed users. It is built on a symmetrically decentralized infrastructure that consists of commodity computers provided by the end users. Computers act autonomously to serve data to their local users. When possible, they exchange data with nearby peers to improve the system's overall performance, availability, and network economy. This approach is realized by aggressively creating a replica of a file w ...

5 Shoring up persistent applications



Michael J. Carey, David J. DeWitt, Michael J. Franklin, Nancy E. Hall, Mark L. McAuliffe, Jeffrey F. Naughton, Daniel T. Schuh, Marvin H. Solomon, C. K. Tan, Odysseas G. Tsatalos, Seth J. White, Michael J. Zwilling
May 1994 **ACM SIGMOD Record , Proceedings of the 1994 ACM SIGMOD international conference on Management of data SIGMOD '94**, Volume 23 Issue 2

Publisher: ACM Press

Full text available: pdf(1.40 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

SHORE (Scalable Heterogeneous Object REpository) is a persistent object system under development at the University of Wisconsin. SHORE represents a merger of object-oriented database and file system technologies. In this paper we give the goals and motivation for SHORE, and describe how SHORE provides features of both technologies. We also describe some novel aspects of the SHORE architecture, including a symmetric peer-to-peer server architecture, server customization through an extensible ...

6 A comparison of the object-oriented features of Ada 95 and Java



Benjamin M. Brosgol
November 1997 **Proceedings of the conference on TRI-Ada '97**

Publisher: ACM Press

Full text available: pdf(2.41 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

7 Web application design: AwareDAV: a generic WebDAV notification framework and implementation



Henning Qin Jehøj, Niels Olof Bouvin, Kaj Grønbaek
May 2005 **Proceedings of the 14th international conference on World Wide Web**

Publisher: ACM Press

Full text available: pdf(409.29 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

WebDAV needs awareness support in order to be a full-fledged collaboration system, This paper introduces AwareDAV, a new WebDAV extension framework enabling shared awareness through event notification. By extending the WebDAV protocol with seven new request-methods and an extensible XML based event subscription scheme, AwareDAV supports fine grained event subscriptions over a range of transport mechanisms and enables a wide range of collaboration scenarios. This paper describes the design of Awa ...

Keywords: AwareDAV, CSCW, WebDAV, event notification

8 The Flux OSKit: a substrate for kernel and language research



Bryan Ford, Godmar Back, Greg Benson, Jay Lepreau, Albert Lin, Olin Shivers

October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles SOSP '97**, Volume 31 Issue 5

Publisher: ACM Press

Full text available: pdf(2.47 MB) Additional Information: [full citation](#), [references](#), [citings](#), [index terms](#)

9 Addressing reality: an architectural response to real-world demands on the evolving Internet



David D. Clark, Karen Sollins, John Wroclawski, Ted Faber

August 2003 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM workshop on Future directions in network architecture FDNA '03**, Volume 33 Issue 4

Publisher: ACM Press

Full text available: pdf(361.27 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

A system as complex as the Internet can only be designed effectively if it is based on a core set of design principles, or tenets, that identify points in the architecture where there must be common understanding and agreement. The tenets of the original Internet architecture [6] arose as a response to the technical, governmental, and societal environment of internetworking's earliest days, but have remained central to the Internet as it has evolved. In light of the increasing integration of the ...

Keywords: Architectural principles, application support, architecture design, design for change, security, transparency, tussle

10 Distrbuted VEEs: PDS: a virtual execution environment for software deployment



Bowen Alpern, Joshua Auerbach, Vasanth Bala, Thomas Frauenhofer, Todd Mummert, Michael Pigott

June 2005 **Proceedings of the 1st ACM/USENIX international conference on Virtual execution environments**


Publisher: ACM Press

Full text available: pdf(299.26 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The Progressive Deployment System (PDS) is a virtual execution environment and infrastructure designed specifically for deploying software, or "assets", on demand while enabling management from a central location. PDS intercepts a select subset of system calls on the target machine to provide a partial virtualization at the operating system level. This enables an asset's install-time environment to be reproduced virtually while otherwise not isolating the asset from peer applications on the targ ...

Keywords: deployment, installation, management, streaming, virtualization

11 Improving storage system availability with D-GRAID

 Muthian Sivathanu, Vijayan Prabhakaran, Andrea C. Arpaci-Dusseau, Remzi H. Arpaci-Dusseau

May 2005 **ACM Transactions on Storage (TOS)**, Volume 1 Issue 2

Publisher: ACM Press

Full text available:  pdf(700.30 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present the design, implementation, and evaluation of D-GRAID, a gracefully degrading and quickly recovering RAID storage array. D-GRAID ensures that most files within the file system remain available even when an unexpectedly high number of faults occur. D-GRAID achieves high availability through aggressive replication of semantically critical data, and fault-isolated placement of logically related data. D-GRAID also recovers from failures quickly, restoring only live file system data to a h ...

Keywords: Block-based storage, Disk array, RAID, fault isolation, file systems, smart disks

12 Distributed schedule management in the Tiger video fileserver


 William J. Bolosky, Robert P. Fitzgerald, John R. Douceur

October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles SOSP '97**, Volume 31 Issue 5

Publisher: ACM Press

Full text available:  pdf(1.72 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

13 Real-time shading

 Marc Olano, Kurt Akeley, John C. Hart, Wolfgang Heidrich, Michael McCool, Jason L. Mitchell, Randi Rost

August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

Publisher: ACM Press

Full text available:  pdf(7.39 MB) Additional Information: [full citation](#), [abstract](#)

Real-time procedural shading was once seen as a distant dream. When the first version of this course was offered four years ago, real-time shading was possible, but only with one-of-a-kind hardware or by combining the effects of tens to hundreds of rendering passes. Today, almost every new computer comes with graphics hardware capable of interactively executing shaders of thousands to tens of thousands of instructions. This course has been redesigned to address today's real-time shading capabili ...

14 Contributed articles: An ASCII notation for APL

 Michael F. C. Crick

September 1980 **ACM SIGAPL APL Quote Quad**, Volume 11 Issue 1

Publisher: ACM Press

Full text available:  pdf(1.09 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The increasing use of 120-cps terminals and the growth of APL are placing increasing strains on current APL notation. For those people who think verbally rather than visually, a phonetic notation is preferable to a logographic notation. A notation is proposed for use specifically on ASCII terminals. Specific solutions are offered to the problems of (a) ambiguities in parsing (upper and lower case), (b) recognition of operator sequences (periods as separators), and (c) reserved-word name conflict ...

15 Formalizing the safety of Java, the Java virtual machine, and Java card

Pieter H. Hartel, Luc Moreau

December 2001 **ACM Computing Surveys (CSUR)**, Volume 33 Issue 4

Publisher: ACM Press

Full text available: pdf(442.86 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We review the existing literature on Java safety, emphasizing formal approaches, and the impact of Java safety on small footprint devices such as smartcards. The conclusion is that although a lot of good work has been done, a more concerted effort is needed to build a coherent set of machine-readable formal models of the whole of Java and its implementation. This is a formidable task but we believe it is essential to build trust in Java safety, and thence to achieve ITSEC level 6 or Common Crite ...

Keywords: Common criteria, programming

16 Mixin layers: an object-oriented implementation technique for refinements and collaboration-based designs

Yannis Smaragdakis, Don Batory

April 2002 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 11 Issue 2

Publisher: ACM Press

Full text available: pdf(510.43 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A "refinement" is a functionality addition to a software project that can affect multiple dispersed implementation entities (functions, classes, etc.). In this paper, we examine large-scale refinements in terms of a fundamental object-oriented technique called collaboration-based design. We explain how collaborations can be expressed in existing programming languages or can be supported with new language constructs (which we have implemented as extensions to the Java language). We present a spec ...

Keywords: Collaboration-based design, component-based software, product-line architectures

17 Exploiting the non-determinism and asynchrony of set iterators to reduce aggregate file I/O latency

David C. Steere

October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles SOSP '97**, Volume 31 Issue 5

Publisher: ACM Press

Full text available: pdf(1.87 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)18 Tempest and typhoon: user-level shared memory

S. K. Reinhardt, J. R. Larus, D. A. Wood

April 1994 **ACM SIGARCH Computer Architecture News , Proceedings of the 21ST annual international symposium on Computer architecture ISCA '94**, Volume 22 Issue 2

Publisher: IEEE Computer Society Press, ACM Press

Full text available: pdf(1.44 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Future parallel computers must efficiently execute not only hand-coded applications but also programs written in high-level, parallel programming languages. Today's machines limit these programs to a single communication paradigm, either message-passing or shared-memory, which results in uneven performance. This paper addresses this problem by defining an interface, *Tempest*, that exposes low-level communication and memory-system mechanisms so programmers and compilers can customize polici ...

19 INFO: interactive APL documentation



George Mebus

December 1998

ACM SIGAPL APL Quote Quad , Proceedings of the conference on APL '99 : On track to the 21st century: On track to the 21st century APL '99, Volume 29 Issue 2

Publisher: ACM Press

Full text available: pdf(1.79 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

A large body of APL code may be hard to understand and analyze, particularly if you are not its author. A code system that spans multiple workspaces (WSs) compounds that problem. *INFO* is a Multi-WS system written in APL+Win that provides convenient interactive documentation of APL+Win and APL+DOS multi-WS systems. The User has a variety of displays that give insight into the system structures and relationships within single- or multi-WS systems. An administrator can easily set up and maint ...

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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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LOCK

... and a variable named "a" without **conflict**. **Lock** names are case sensitive. ... A conflict occurs when two **namespaces** attempt to lock the same lock name. ...

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LWN: 2.6.17-rc1 changelog

... Aaron Brooks: kbuild: make **namespace**.pl CROSS_COMPILE happy Aaron Young: ...

NFSD4: return **conflict lock** without races Andy Fleming: powerpc: Add PCI ...

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This mechanism does not violate **namespace** security, and is safe to use while other processes are unmounting ... NFSD4: return **conflict lock** without races ...

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origin.patch proc-fix-duplicate-line-in-proc-devices.patch ...

... nfsd4-return-**conflict-lock**-without-races.patch ... ##git-viro-bird-endian.patch ##git-viro-bird-net-endian.patch # # **namespace** futzing ...

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[PS] Scalable and manageable storage systems

File Format: Adobe PostScript

systems attempt to balance load by partitioning the **namespace** and replicating ... it has the highest window of vulnerability to **conflict (lock hold time)**. ...

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[PDF] Scalable and manageable storage systems

File Format: PDF/Adobe Acrobat

is a storage system that does not implement any **namespace** or directory services ... it has the highest window of vulnerability to **conflict (lock hold time)**. ...

www.pdl.cmu.edu/PDL-FTP/NASD/amiri_thesis.pdf - [Similar pages](#)

Linux-kernel - Mar-2006 Week 3 - ReadList.com

1 msg, NFSD4: return **conflict lock** without races, (21 Mar 2006). 2 msgs, VFS: Convert abuses of sector_t, (21 Mar 2006) ...

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1 msg, NFSD4: return **conflict lock** without races ... private **namespaces** lead to much obfuscation, and having ... **namespaces** does not help either

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linux-kernel

... kbuild: make **namespace**.pl CROSS_COMPILE happy (Sam Ravnborg); kbuild: small update of ... NFSD4: return **conflict lock** without races, Trond Myklebust ...

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Linux Filesystem Development

xattr **namespace** question, 2006-03-23 14:13:10, 7. People Laugh at You? ... NFS4:
return **conflict lock** without races, 2006-03-21 17:17:47, 0 ...
www.archivesat.com/Linux_FileSystem_Development/15.htm - 11k - Supplemental Result -
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